"SHAPING THE FUTURE, BY PURSUING EXCELLENCE AND CREATING BOUNDLESS OPPORTUNITIES"

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Elizabeth Macarthur High School

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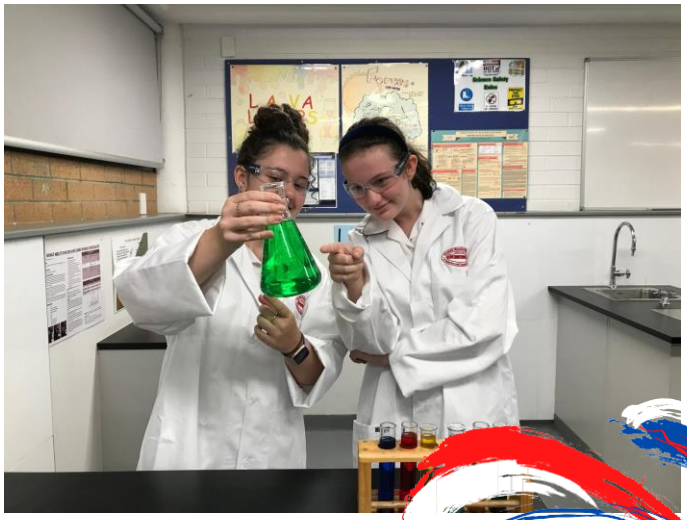
ELIZABETH MACARTHUR HIGH SCHOOL

SCIENCE

RESPECT, RESPONSIBILITY, PRIDE



ABOUT US

The study of Science fundamentally investigates our world. Students develop an understanding of scientific concepts through the investigative process and are able to communicate this understanding in a variety of forms and structures.

The Science faculty at EMHS is devoted to the teaching and learning of our students by encouraging critical thinking in a stimulating environment.

HEAD TEACHER: TROY WARE

To learn more, visit the QR code:

SCIENCE SUBJECTS

JUNIOR SCIENCE

Junior Science is a course that is run from year 7 to year 10 that teaches the fundamentals of the core strands of science. Within this subject, students will develop an understanding of science and its social and cultural contexts which provides a basis for future choices and ethical decisions around local and global applications and implications of science.

ISTEM

ISTEM incorporates mechatronics, aerodynamics, engineering, aerospace and motion modules- presenting maths and science in a challenging yet practical learning environment. This subject focuses on project- based learning and the application of science.

CHEMISTRY

Chemistry is the study of matter, its composition, properties and structure. This subject bridges physics with other natural sciences. Students who study chemistry, investigate real-world problems and derive relationships between variables.

BIOLOGY

Biology furthers students knowledge and understanding of the living world around them. There is an emphasis on fieldwork and biological surveying, including performing practical investigations to explain how systems work.

SCIENCE SUBJECTS

PHYSICS

The Physics course involves the study of matter and its motion through space and time along with the concepts of energy and force. This allows students to gain a better understanding of the physical world and how it works.

INVESTIGATING SCIENCE

Investigating Science promotes active inquiry and evidence-based investigations. The course is designed to compliment the study of other science disciplines as it provides additional opportunities to develop the capability and capacity to critically think.

SCIENCE EXTENSION

This course focuses on the scientific process and is taught through the students engaging in a scientific research project. Students document their research in an academic portfolio that highlights their findings.

AGRICULTURE

Agriculture provides students with the opportunity to study the interactions between agricultural production, marketing and management whilst giving consideration to the issues of sustainability in the farming industry.